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(54) Title: MODIFIED ANTIVIRAL PEPTIDES WITH INCREASED ACTIVITY AND CELL MEMBRANE AFFINITY

(57) **Abstract:** The activity and cell membrane affinity of certain antiviral multiple branch peptide constructions, including those known from WO 95/07929, WO 98/29443 and WO 03/95479, can be improved by bonding to the C-end of the peptide a terminator which is either (a) an ω -amino-fatty acid having from 4 to 10 carbon atoms and from 0 to 2 carbon-carbon double bonds or (b) a peptidic cell membrane penetrating agent. The improvement is so marked that in some cases the number of branches can be reduced, sometimes to a single branch, and/or that the branches may be shortened. The preferred ω -amino-fatty acids are γ -aminobutyric acid, δ -aminovaleric acid and ϵ -aminocaproic acid. The peptidic cell membrane penetrating agent is suitably a TAT-derived peptide, penetratin[®] or Kpam.

INTERNATIONAL SEARCH REPORT

International Application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K39/21 C07K7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	WO 98/29443 A (MABROUK KAMEL ; ROCHAT HERVE (FR); RIETSCHOTEN JURPHAAS VAN (FR); SABA) 9 July 1998 (1998-07-09) cited in the application page 2, paragraphs 3,4	1,4-8, 10-14
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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